

Analytical Laboratory

13339 Hagers Ferry Road Huntersville, NC 28078-7929 McGuire Nuclear Complex – MG03A2 Phone: 704-875-5245 Fax: 704-875-4349

Job Summary Report

	Job Number:	09-OCT-0029
	Project Name:	NPDES 1 st Week
	Customer Name:	J.R. Wood
	Copy To:	Sue Wallace
	Customer Address:	Miami-Fort
	Lab Contact:	Therona James
,, I	ab Contact Phone:	704-875-4795
Report Author (Printed Name	· 1	THERONA JAMES
Report Author (Signature)	ized By: Theu	na James Date: 10/16/09
-	ized By: Theu	na James Date: 10/1

Data Package

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical Laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report
Analytical Laboratory Certificate of Analysis
Analytical Laboratory QC Reports (if applicable)
Sub-contracted Laboratory Results
Customer Specific Data Sheets, Reports & Documentation (if applicable)
Customer Database Entries
Test Case Narratives
Chain of Custody (COC)



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Certification

The Analytical Laboratory holds the following Certifications:

New York State Department of Health Certification # 11717(NELAC) North Carolina Department of Health & Human Services Certification # 37804 South Carolina (DHEC) Laboratory ID # 99005 North Carolina (DENR) Certification # 248

Analytical results listed in this report may not be certified by the authorities referenced above. Contact the Analytical Laboratory for definitive information about the certification status of specific methods. The results meet all requirements of NELAC except where deviations are noted in this report.

Data Flags

Any analytical tests or individual analytes within a test flagged with an "X" or a "1" indicate a deviation from the method quality system or quality control requirement.

Calculations

All results are reported on a wet weight basis unless otherwise noted.

Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date	Collected By	Sample Description
29023536 29023538	MIAMI FORT MIAMI FORT	10/05/2009 10/05/2009	мјн мјн	OUTFALL 002 OUTFALL 608
2 TO	TAL SAMPLES			



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Huntersville, NC 28078-7929 McGuire Nuclear Complex – MG03A2 Phone: 704-875-5245 Fax: 704-875-4349

Job Summary Report Validation of Analytical Data Package

i)	COC and .po and analyses	✓ Yes No				
ii)	All results ar	Yes No				
iii)	All laborator	✓ Yes No				
iv)	NPDES and limits respect	✓ Yes No				
If iv)	above is No, d					
V	ariable	Result	Permit Limit		Not	tes
					·	
v)	Components stipulated on	✓ Yes No				
Inc	licate compone	ents inclu	ded:			
Z	Job Summary	y Report				cific Data Sheets, Reports & on (if applicable)
Ø	Analytical La	aboratory C	ertificate o	f \Box	Customer Dat	·
	Analysis Analytical La (if applicable		C Report		Test Case Nar	
	Sub-contracte	ed Laborato	ry Results	V	Chain of Custo	ody
vi)	Notes and Ad	lditional I	nformatio	on		
NIA NY	1: 11					
NA=Not	applicable					



MIAMI FORT

Certificate of Laboratory Analysis

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Job # 09-OCT-0029

2 Samples 17 Tests Included in this Report

Lab ID: 29023536

Sample Desc:

OUTFALL 002

Sample Collected: 10/5/2009 10:40:00

Collected By: MJH

Customer ID: WOOD/WALLACE

Date Initiated in Lab: 10/1/2009 08:57:17

TOTAL DISSOLVED SOLIDS (EPA)

Data Posted: 10/9/2009 11:38:19

10

Method: SM2540D

TDS

1100 mg/L

Reporting Limit Flag

0

Lab ID: 29023538

Sample Desc:

OUTFALL 608

Customer ID: WOOD/WALLACE

Collected By: MJH

Date Initiated in Lab: 10/1/2009 09:00:38

ALKALINITY (FIXED END POINT 4.5)

Sample Collected: 10/5/2009 09:40:00

ALKALINITY

900 mg-CaCO3/L

Data Posted: 10/9/2009 09:54:04 Reporting Limit Flag

Method: SM2320B

ARSENIC BY ICP-MS (DIGESTED)

0.10 Data Posted: 10/14/2009 13:32:47

Method: EPA 200.8/6020

ARSENIC < 1.00 ug/L Reporting Limit 1.00

Flag

BARIUM BY ICP-MS (DIGESTED)

BARIUM

7.70 ug/L

Reporting Limit Flag

Data Posted: 10/14/2009 13:32:48

0

Method: EPA 200.8/6020

BORON BY ICP (DIGESTED)

BORON

300 mg/L

Data Posted: 10/13/2009 13:40:41 Reporting Limit

5.00

1.00

Flag

Method: EPA 200.7/6010B

CADMIUM BY ICP-MS (DIGESTED)

CADMIUM

Reporting Limit

Flag

0

Method: EPA 200.8/6020

< 1.00 ug/L

1.00

Data Posted: 10/14/2009 07:17:44

Data Posted: 10/14/2009 13:32:49

Method: EPA 300.0

CHLORIDE (IC)

6600 mg/L 500

Flag 0

CHROMIUM BY ICP-MS (DIGESTED)

CHROMIUM

COPPER

CHLORIDE

< 1.00 ug/L

Data Posted: 10/14/2009 13:32:50 Reporting Limit

Reporting Limit

Flag

Method: EPA 200.8/6020

Method: EPA 200.8/6020

COPPER BY ICP-MS (DIGESTED)

1.00

0

Data Posted: 10/14/2009 13:32:51

Reporting Limit Flag 1.00

FLUORIDE (IC)

< 1.00 ug/L

Reporting Limit

Flag

FLUORIDE 13 mg/L

10 0

Data Posted: 10/14/2009 07:17:45

Method: EPA 300.0

Method: EPA 200.8

IRON BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:52

Reporting Limit Flag 0

IRON

15.1 ug/L

1.00



MIAMI FORT

Certificate of Laboratory Analysis This report shall not be reproduced, except in full.

Job # 09-OCT-0029

2 Samples 17 Tests Included in this Report

Lab ID: 29023538 Sample Desc: **OUTFALL 608**

Customer ID: WOOD/WALLACE

Sample Collected: 10/5/2009 09:40:00	Co	lected By: MJH		Date Initiated in Lab: 10/1/2009 09:00:38									
LEAD BY ICP-MS (DIGESTED)			Data Posted: 10/	14/2009 13:32:53	Method: EPA 200.8/6020								
			Reporting Limit	<u>Flag</u>									
LEAD	< 1.00	ug/L	1.00	0									
MANGANESE BY ICP (DIGESTED)			Data Posted: 10/	13/2009 13:40:41	Method: EPA 200.7/6010B								
			Reporting Limit	<u>Flaq</u>									
MANGANESE	0.106	mg/L	0.00500	0									
SULFATE (IC)			Data Posted: 10/	14/2009 07:17:46	Method: EPA 300.0								
			Reporting Limit	Flag									
SULFATE	6300	mg/L	500	0									
TOTAL DISSOLVED SOLIDS (EPA)			Data Posted: 10/	9/2009 11:38:20	Method: SM2540D								
			Reporting Limit	<u>Flag</u>									
TDS	25000	mg/L	10	0									
TOTAL SUSPENDED SOLIDS (EPA)			Data Posted: 10/	7/2009 17:41:49	Method: SM2540D								
			Reporting Limit	Flag									
TSS	22	mg/L	4.0	0									
ZINC BY ICP-MS (DIGESTED)			Data Posted: 10/1	4/2009 13:32:53	Method: EPA 200.8/6020								
			Reporting Limit	Flag									
ZINC	< 2.00	ug/L	2.00	0									

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1 m/ 0	11)Seal/Locked By Comments	7)Relinquished By	5)Relinquished By	3) Relinquished-By	1) Relinquished By	Custor	ner *		lete ~		l l			o rich		362352X	2536	¹¹ Lab ID	LAB USE ONLY		8)Project ID:	5)Business Unit:	ă	300	1)Project Name			
TI-L MUOZ					1	Custor	lier to	Comp	lete a	Брюр	late	Colui	nus t	o ligit				Desktop No.	12 Chem		10		- J.R. Wood, Sue	(Monthly Sam	MIAMI-FORT		UKE TOKEN	
MUOZ HOARD TO META 15	le/6/07 C	Date/⊓me	(o/7) Date/Time	10/6/pq	Customer to sign & date below - fill out from left to right.											0	0				9)Activity ID:	6)Process:	Wallace	(Monthly Sampling - October 6)	MIAMI-FORT NPDES Monthly	HunterSville, N. C. (704) 875-524 Fax: (704) 875-4	Mail Code MGO3	Duke Energy An
ex 15 (a) 14:10	Date/Time 67 0820#75 Date/Time	me	me /0.20	00	eft to right.			THE SALES OF THE S								Outfall 608	Outfall 002	¹³ Sample Description or ID			10)Mail Code:	7)Resp. Center To:	4)Fax No:		2)Phone No:	Tersylle, N. C. 28078 (704) 875-5245 Fax: (704) 875-4349	=.	Duke Energy Analytical Laboratory
0) A) 6/1/01 vo	10) Seal/Lock Opened By 12) Seal/Fock Opened By	8)Accepted By:	6)Accepted By:	4) Accepted by												M cui co cappa	10/da 10140 h	Date Time	¹⁴ Collection Information	appropriate non-shaded areas	Customer to complete all	MR#	PO ##		Vendor	Logged By Date	09-00-00i	
1999				7											,		1			shaded areas.	omplete all	0.00	15Preserv. 2=H ₂ SO ₄ 4=lce_5	Coole		e SyTime	Sample Class N	Analytical Laboratory Use Only
	Date	Da	10	$\frac{Lo}{G}$				-							┥,	×		¹⁷ Con ¹⁸ Gra		16A Red	naly	/ses	erv.:1=HCL O ₄ 3=HNO ₃ 5=None	/ · / oler Temp (C	_	8	IPDES	rator
	Date/Time □	Date/Time	7/5 Date/filme												\dashv			TDS					4	© .		7		/Use
			10											-	- -	_	\neg	CI, F		04 a, B,			4		Water_	SAMPI Water		Only
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	*Other * Add. Cost Will Apply	* 48 Hr	14 Days	²² Requested Turnaround																		-			•		DISTRIBUTION	-

CHAIN OF CUSTOUY RECORD AND ANALYSIS REQUEST FORM